

Nevada Bureau of Mines and Geology

SPECIAL PUBLICATION P-15

# Major Mines of Nevada 2003

## Mineral Industries in Nevada's Economy

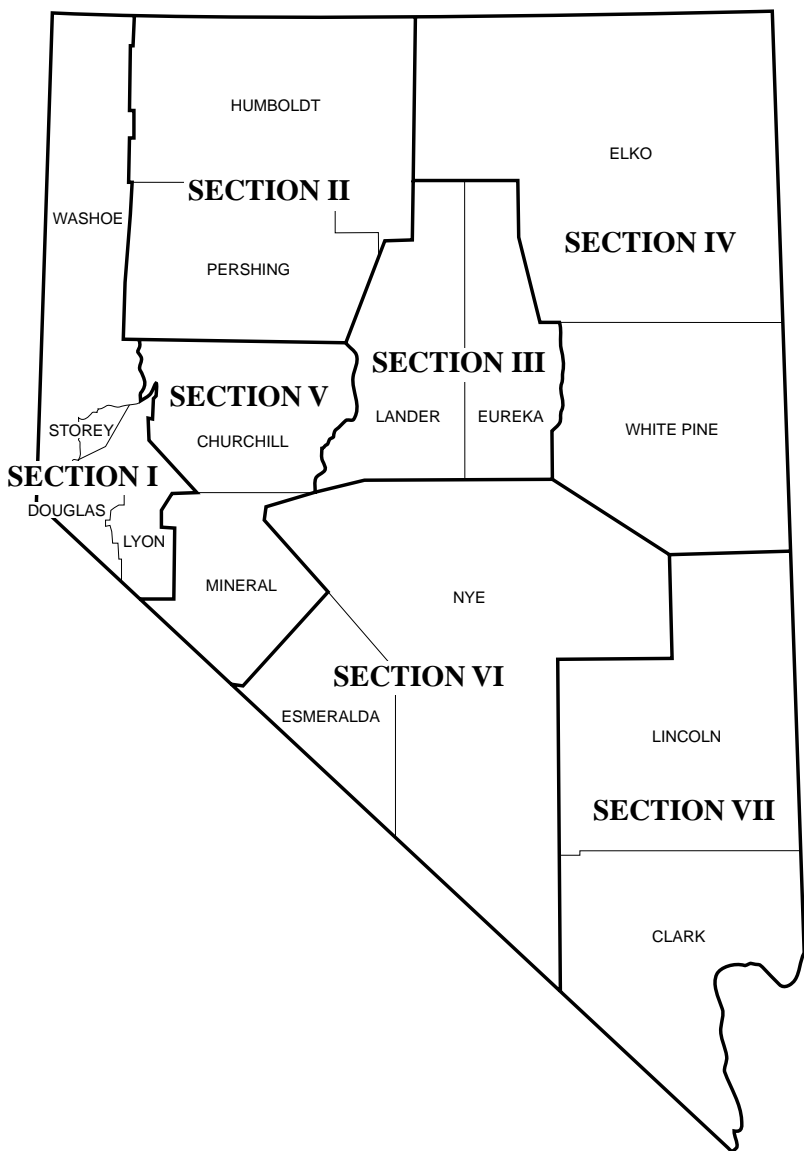
By Doug Driesner and Alan Coyner

The Nevada Division of Minerals

# 2004

This is the fifteenth of an annual series of summary reports on major mines of Nevada. Sand and gravel operations are not included. Information on employment and production for the calendar year 2003 was provided by the individual mine operators. The Nevada Division of Minerals maintains a complete register of Nevada mines. For further information, contact them at 400 W. King, Suite 106, Carson City, Nevada 89703 or call (775) 684-7040, fax (775) 684-7052, or visit their Web site at <http://minerals.state.nv.us>.

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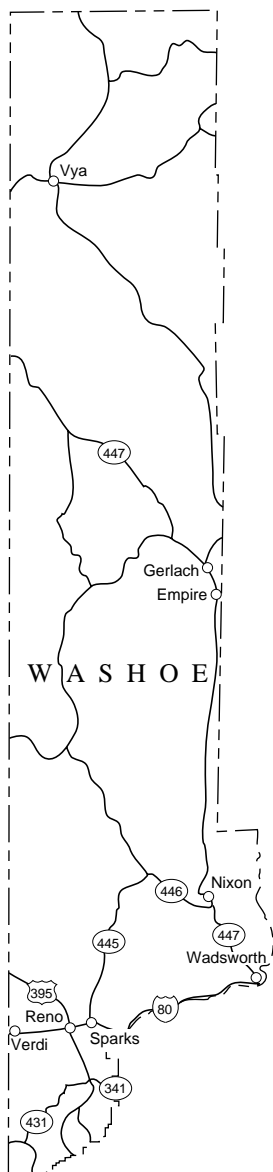
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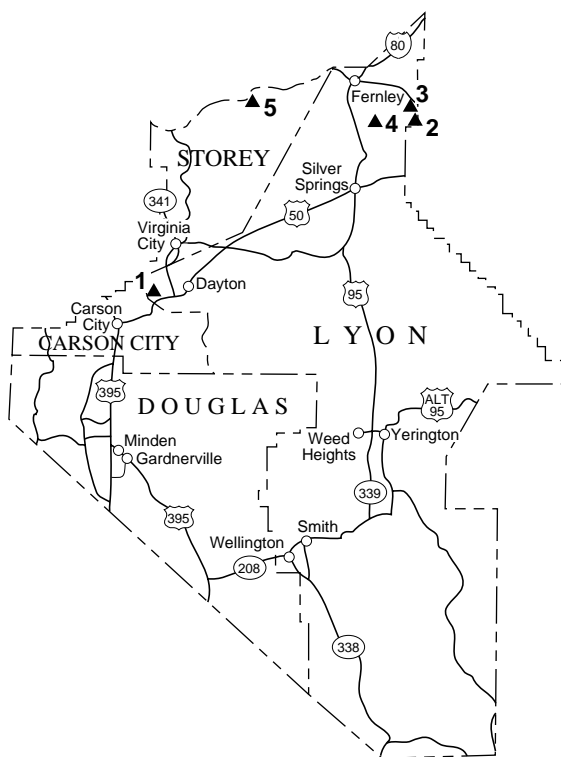
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0 10 20 30 40 50 Miles



0 5 10 15 20 25 Miles

# Section I

## Lyon County

### **Adams Claim Gypsum Mine (1)**

*Operator:*

Art Wilson Co.  
P.O. Box 20160  
Carson City, NV 89702-1160  
775-882-0700 Fax: 882-0790  
Company employees: 32  
Contract employees: 20

*Production:*

Gypsum - 129,589 tons

### **Celite Diatomite Mine (2)**

*Operator:*

World Minerals, Inc.  
100 Front Street  
Fernley, NV 89408  
775-575-2536 Fax: 575-4857  
Company employees: 17  
Contract employees: 1

*Production:*

Diatomite

### **Hazen Pit (3)**

*Operator:*

Eagle-Picher Filtration &  
Minerals, Inc.  
640 Clark Station Rd.  
Sparks, NV 89434  
775-824-7700 Fax: 824-7715

*Production:*

Diatomite

### **NCC Limestone Quarry (4)**

*Operator:*

Nevada Cement Co.  
P.O. Box 840  
Fernley, NV 89408  
775-575-2281 Fax: 575-4387  
Company employees: 120

*Production:*

Limestone/Clay

## Storey County

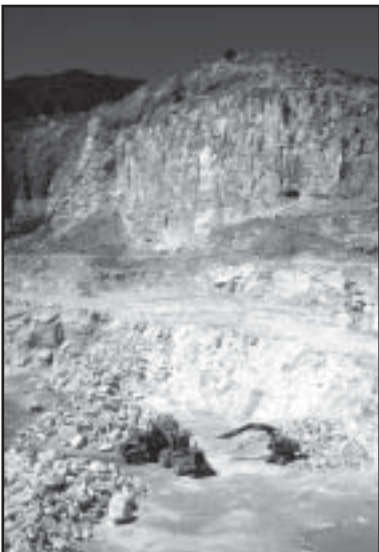
### **Clark Mine and Mill (5)**

*Operator:*

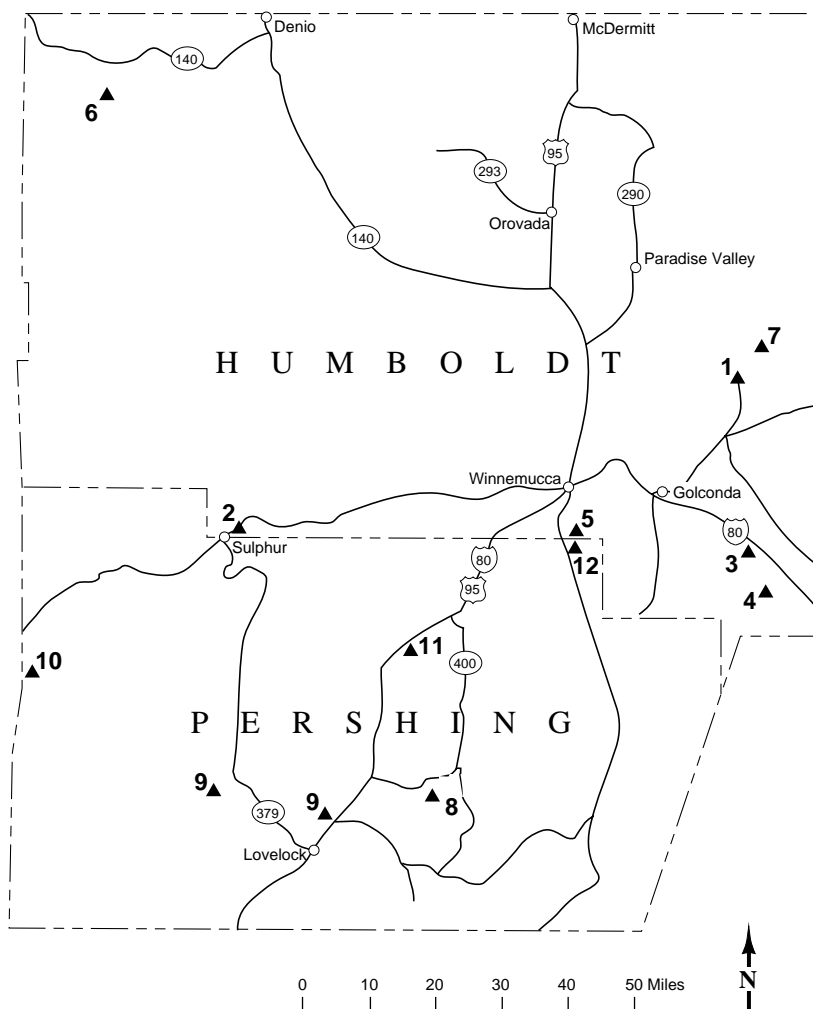
Eagle-Picher Filtration  
Minerals, Inc.  
640 Clark Station Rd.  
Sparks, NV 89434  
775-824-7700 Fax: 824-7715  
Company employees: 69

*Production:*

Diatomite



Adams Claim Gypsum Mine.  
(NDOM photo).



**Blast at Twin Creeks Mine  
(NDOM photo).**



## Section II

### **Humboldt County**

#### **Getchell Underground and Turquoise Ridge Mines (1)**

*Operator:*

Placer Dome U.S. Inc.  
HC 66 Box 220  
Golconda, NV 89414  
775-529-5001 Fax: 529-0753  
Company employees: 215  
Contract employees: 200

*Production:*

Gold - 93,337 oz

#### **Hycroft Mine (2)**

*Operator:*

Hycroft Resources & Dev., Inc.  
P.O. Box 3030  
Winnemucca, NV 89446-5122  
775-623-5260 Fax: 623-0215  
Company employees: 4  
Contract employees: 3

*Production:*

Gold - 644 oz  
Silver - 100 oz

#### **Lone Tree Mine (3)**

*Operator:*

Newmont Mining Corp.  
P.O. Box 388  
Valmy, NV 89438  
775-635-9000 Fax: 635-0111  
Company employees: 450

*Production:*

Gold - 434,704 oz  
Silver - 80,094 oz

#### **Marigold Mine (4)**

*Operator:*

Glamis Gold Inc.  
P.O. Box 160  
Valmy, NV 89438  
775-635-2317 Fax: 635-2551  
Company employees: 143

*Production:*

Gold - 142,100 oz  
Silver - 2,080 oz

#### **MIN-AD Mine and Mill (5)**

*Operator:*

MIN-AD, Inc.  
P.O. Box 39  
Winnemucca, NV 89446  
775-623-5944 Fax: 623-9028  
Company employees: 17  
Contract employees: 4

*Production:*

Dolomite

#### **Royal Peacock Opal Mine (6)**

*Operator:*

Walter Wilson  
P.O. Box 165  
Denio, NV 89404  
775-941-0374

*Production:*

Precious opal

#### **Twin Creeks Mine (7)**

*Operator:*

Newmont Mining Corp.  
P.O. Box 69  
Golconda, NV 89414  
775-623-4300 Fax: 635-4602  
Company employees: 467

*Production:*

Gold - 697,607 oz  
Silver - 128,535 oz

## **Pershing County**

### **Coeur Rochester Mine (8)**

#### *Operator:*

Coeur d'Alene Mines Corp.  
P.O. Box 1057  
Lovelock, NV 89419  
775-273-7995 Fax: 273-7050  
Company employees: 257

#### *Production:*

Gold - 52,363 oz  
Silver - 5,585,385 oz

### **Colado Mine and Plant (9)**

#### *Operator:*

Eagle-Picher Filtration &  
Minerals, Inc.  
150 Coal Canyon Road  
Lovelock, NV 89419  
775-824-7540 Fax: 824-7582  
Company employees: 124

#### *Production:*

Diatomite, Perlite

### **Empire Mine (10)**

#### *Operator:*

United States Gypsum Co.  
P.O. Box 130  
Empire, NV 89405  
775-557-2341 Fax: 557-2212  
Company employees: 145

#### *Production:*

Gypsum - 279,474 tons

### **Florida Canyon Mine (11)**

#### *Operator:*

Florida Canyon Mining, Inc.  
P.O. Box 330  
Imlay, NV 89418  
775-538-7300 Fax: 538-7324  
Company employees: 181  
Contract employees: 5

#### *Production:*

Gold - 101,811 oz  
Silver - 60,065 oz

### **W. Glen Sexton Family Trust (12)**

#### *Operator:*

Nutritional Additives Corp.  
415 Wellington Street  
Winnemucca, NV 89445  
775-623-1151 Fax: 623-1153  
Company employees: 2

#### *Production:*

Dolomite

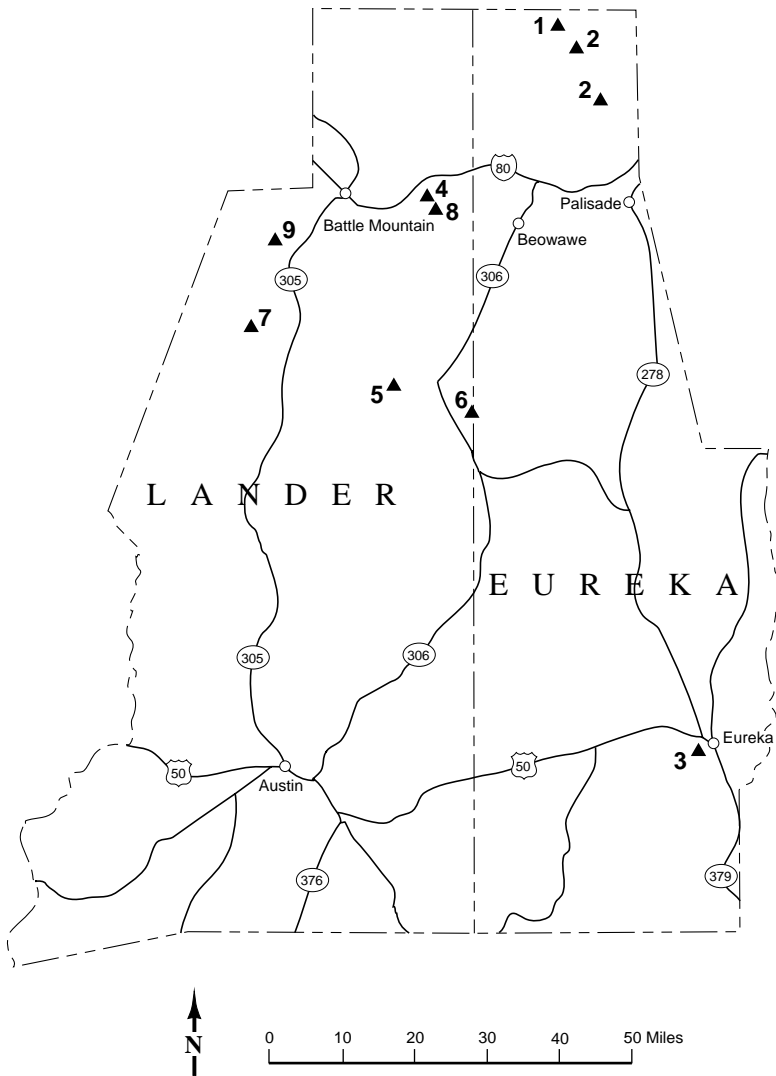




**Rochester Mine (*NDOM photo*).**



**Colado plant (*NDOM photo*).**



## Section III

### Eureka County

#### **Betze-Post Mine (1)**

*Operator:*

Barrick Goldstrike Mines, Inc.  
P.O. Box 29  
Elko, NV 89803  
775-738-8043 Fax: 738-6543  
Company employees: 1,079

*Production:*

Gold - 1,559,401 oz  
Silver - 115,473 oz

#### **Carlin Operations (2)**

*Operator:*

Newmont Mining Corp.  
P.O. Box 669  
Carlin, NV 89822  
775-778-4000 Fax: 778-4757  
Company employees: 1,588

*Production:*

Gold - 1,087,427 oz  
Silver - 200,359 oz

#### **Ruby Hill Mine (3)**

*Operator:*

Barrick Gold Corporation  
P.O. Box 676  
Eureka, NV 89316  
775-237-6060 Fax: 237-5408  
Company employees: 14

*Production:*

Gold - 18,134 oz  
Silver - 2,441 oz



**Betze-Post Mine  
(NDOM photo).**

## **Lander County**

### **Argenta Mine and Mill (4)**

*Operator:*

Baker Hughes INTEQ  
P.O. Box 277  
Battle Mountain, NV 89820  
775-635-5441 Fax: 635-5455  
Company employees: 18

*Shipped:*

Barite - 60,678 tons

### **Battle Mountain Grinding Plant (Greystone Mine) (5)**

*Operator:*

M-I Swaco  
P.O. Box 370  
Battle Mountain, NV 89820  
775-635-5135 Fax: 635-2191  
Company employees: 63

*Shipped:*

Barite - 257,164 tons

### **Cortez Gold Mines (6)**

*Operator:*

Placer Dome U.S. Inc.  
HC66 Box 1250  
Crescent Valley, NV 89821-1250  
775-468-4400 Fax: 468-4496  
Company employees: 402

*Production:*

Gold - 1,065,402 oz

### **McCoy/Cove Mine (7)**

*Operator:*

Newmont Mining Corp.  
P.O. Box 1658  
Battle Mountain, NV 89820  
775-635-4923 Fax: 635-4921  
Company employees: 26

*Production:*

Gold - 4,699 oz  
Silver - 706 oz

### **Mule Canyon Mine (8)**

*Operator:*

Newmont Mining Corp.  
P.O. Box 388  
Valmy, NV 89438  
775-635-9000 Fax: 635-0111

Company employees:  
included with Lone  
Tree Mine

*Production:*

Gold - 8,086 oz  
Silver - 1,490 oz

### **Phoenix Project (9)**

*Operator:*

Newmont Mining Corp.  
P.O. Box 388  
Valmy, NV 89438  
775-635-9000 Fax: 635-0111

*Production:*

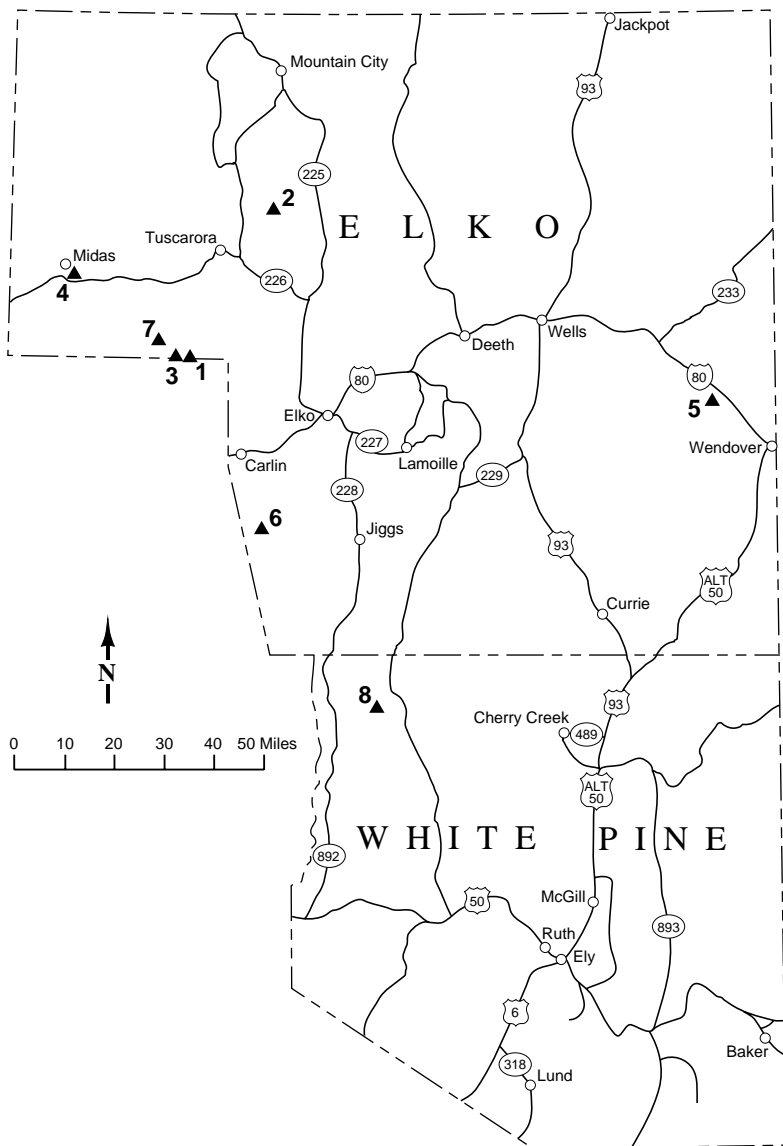
Gold - 5,444 oz  
Silver - 1,003 oz



**Roaster at Gold Quarry Mine (*NDOM photo*).**



**Newmont's Gold Quarry Mine (*NDOM photo*).**



## Section IV

### Elko County

#### **Capstone Mine (1)**

*Operator:* Newmont Mining Corp.  
P.O. Box 669  
Carlin, NV 89822  
775-778-4000 Fax: 778-4757  
Employees: included with  
Carlin Operations  
*Production:* Gold - 29,742 oz  
Silver - 5,480 oz

#### **Jerritt Canyon Mine (2)**

*Operator:*  
Queenstake Resources USA, Inc.  
HC31 Box 78  
Elko, NV 89801  
775-738-5006 Fax: 758-9231  
Company employees: 406  
*Production:* Gold - 302,095 oz

#### **Meikle Mine (3)**

*Operator:* Barrick Goldstrike Mines,  
Inc.  
P.O. Box 29  
Elko, NV 89803  
775-738-8043 Fax: 738-6543  
Company employees: 527  
*Production:* Gold - 551,664 oz  
Silver - 99,614 oz

#### **Midas Mine (4)**

*Operator:* Newmont Mining Corp.  
Operation, Inc.  
HC 66 Box 125  
Midas, NV 89414  
775-635-6423 Fax: 635-6460  
Company employees: 170  
*Production:*  
Gold - 218,966 oz  
Silver - 2,647,374 oz

#### **Pilot Peak Lime Plant (5)**

*Operator:* Graymont Western U.S.  
P.O. Box 2520  
West Wendover, NV 89883  
775-483-5463 Fax: 483-5149  
Company employees: 50  
*Production:* Limestone, Quicklime,  
Hydrated lime

#### **Rain Mine (6)**

*Operator:* Newmont Mining Corp.  
P.O. Box 669  
Carlin, NV 89822  
775-778-4000 Fax: 778-4757  
Employees: included with  
Carlin Operations  
*Production:* Gold - 5,039 oz  
Silver - 928 oz

#### **Rossi Mine-Dunphy Mill (7)**

*Operator:* Halliburton Energy  
Services/BAROID  
912 Dunphy Ranch Rd.  
Battle Mountain, NV 89820  
775-468-0515 Fax: 468-2060  
Company employee: 37  
Contract employees: 6  
*Shipped:* Barite - 147,000 tons

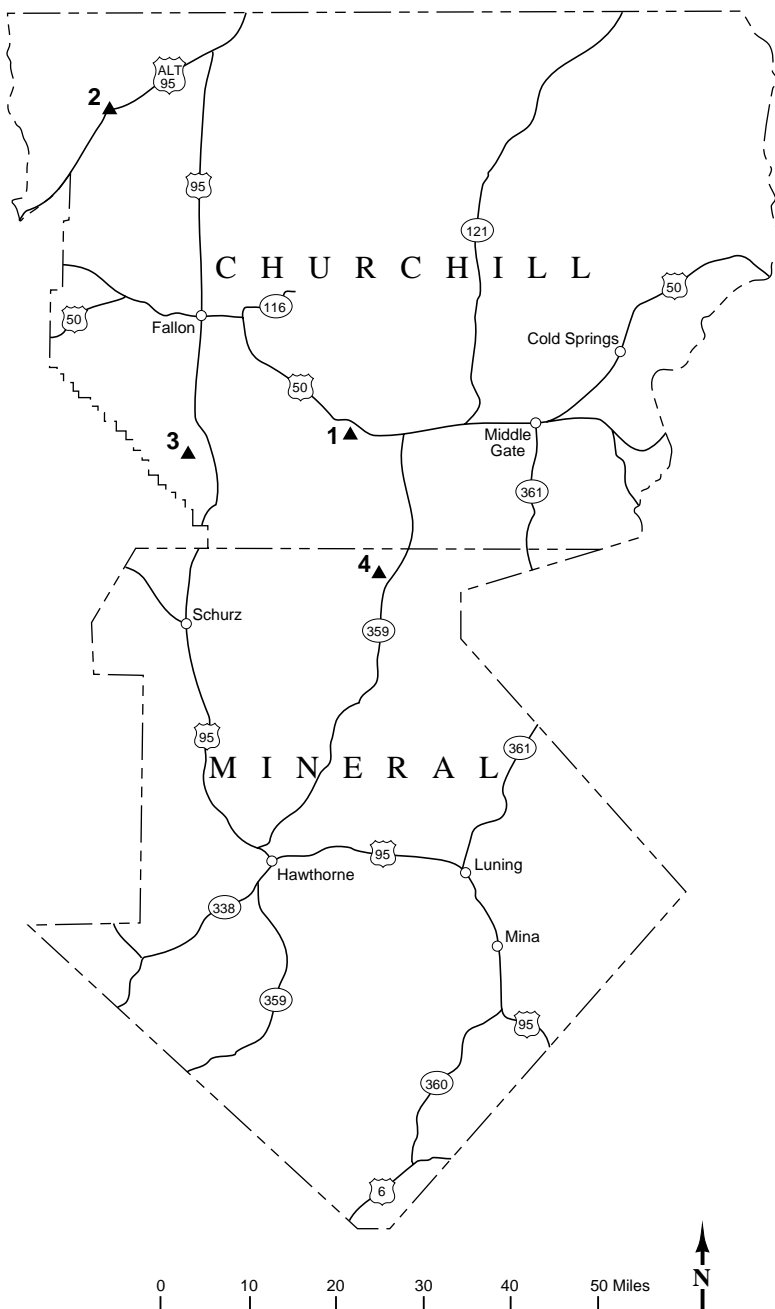
### White Pine County

#### **Bald Mountain Mine (8)**

*Operator:* Placer Dome U.S. Inc.  
P.O. Box 2706  
Elko, NV 89803  
775-237-7100 Fax: 237-7101  
Company employees: 107  
Contract employees: 19  
*Production:*  
Gold - 90,602 oz,  
Silver - 26,810 oz



Air conditioner at Meikle Mine (NDOM photo).





## Section V

### **Churchill County**

#### **Huck Salt (1)**

*Operator:*

Huck Salt & Sons, Inc.  
5033 Austin Hwy.  
Fallon, NV 89406  
775-423-2055 Fax: 423-0467  
Company employees: 4

*Production:*

Salt - 9,054 tons

#### **Moltan Company (2)**

*Operator:*

Moltan Company LP  
P.O. Box 860  
Fernley, NV 89408  
775-423-6668 Fax: 423-6411  
Company employees: 50

*Production:*

Diatomite

#### **Popcorn Perlite Mine (3)**

*Operator:*

Eagle-Picher Filtration &  
Minerals, Inc.  
640 Clark Station Rd.  
Sparks, NV 89434  
775-824-7700 Fax: 824-7715

*Production:*

Perlite

### **Mineral County**

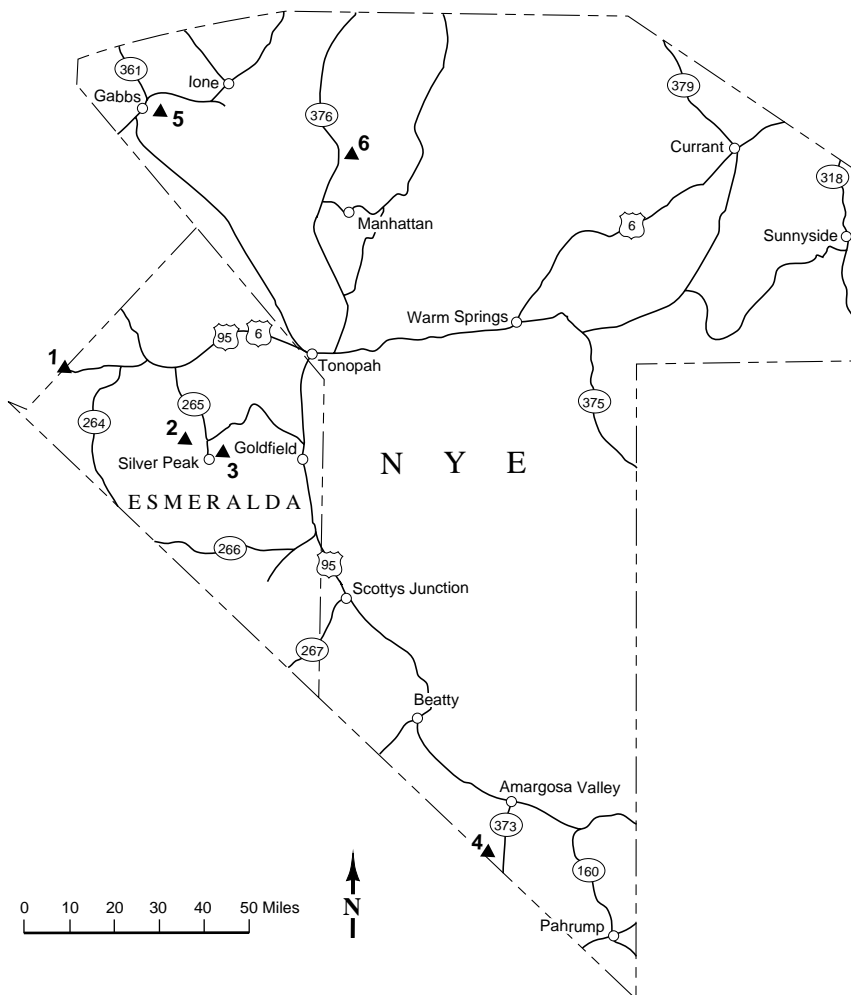
#### **Denton-Rawhide Mine (4)**

*Operator:*

Kennecott Rawhide Mining Co.  
P.O. Box 2070  
Fallon, NV 89407  
775-945-1015 Fax: 945-1213  
Company employees: 21  
Contract employees: 2

*Production:*

Gold - 63,283 oz  
Silver - 525,809 oz



# Section VI

## **Esmeralda County**

### **Grefco Minerals (1)**

#### *Operator:*

Grefco Minerals, Inc.  
P.O. Box 288  
Mina, NV 89422  
775-573-2422 Fax: 573-2422  
Company employees: 18

#### *Production:*

Diatomite

### **Mineral Ridge Mine (2)**

#### *Operator:*

Golden Phoenix Minerals, Inc.  
P.O. Box 67  
Silverpeak, NV 89047-0067  
775-482-4406 Fax: 482-4036  
Company employees: 26  
Contract employees: 1

#### *Production:*

Gold - 675 oz  
Silver - 704 oz

### **Silver Peak Operations (3)**

#### *Operator:*

Chemetall Foote Corp.  
P.O. Box 98  
Silver Peak, NV 89047  
775-937-2222 Fax: 937-2250  
Company employees: 48  
Contract employees: 8

#### *Production:*

Lithium compounds

## **Nye County**

### **IMV Nevada (4)**

#### *Operator:*

Mud Camp Mining Co. LLC  
dba IMV Nevada  
Route Box 549  
Amargosa Valley, NV 89020  
775-372-5341 Fax: 372-5640  
Company employees: 29

#### *Production:*

Specialty clays - 33,223 tons

### **Premier Chemicals (5)**

#### *Operator:*

Premier Chemicals, LLC  
P.O. Box 177  
Gabbs, NV 89409  
775-285-2601 Fax: 285-4030  
Company employees: 80

#### *Production:*

Magnesium compounds

### **Smoky Valley Common**

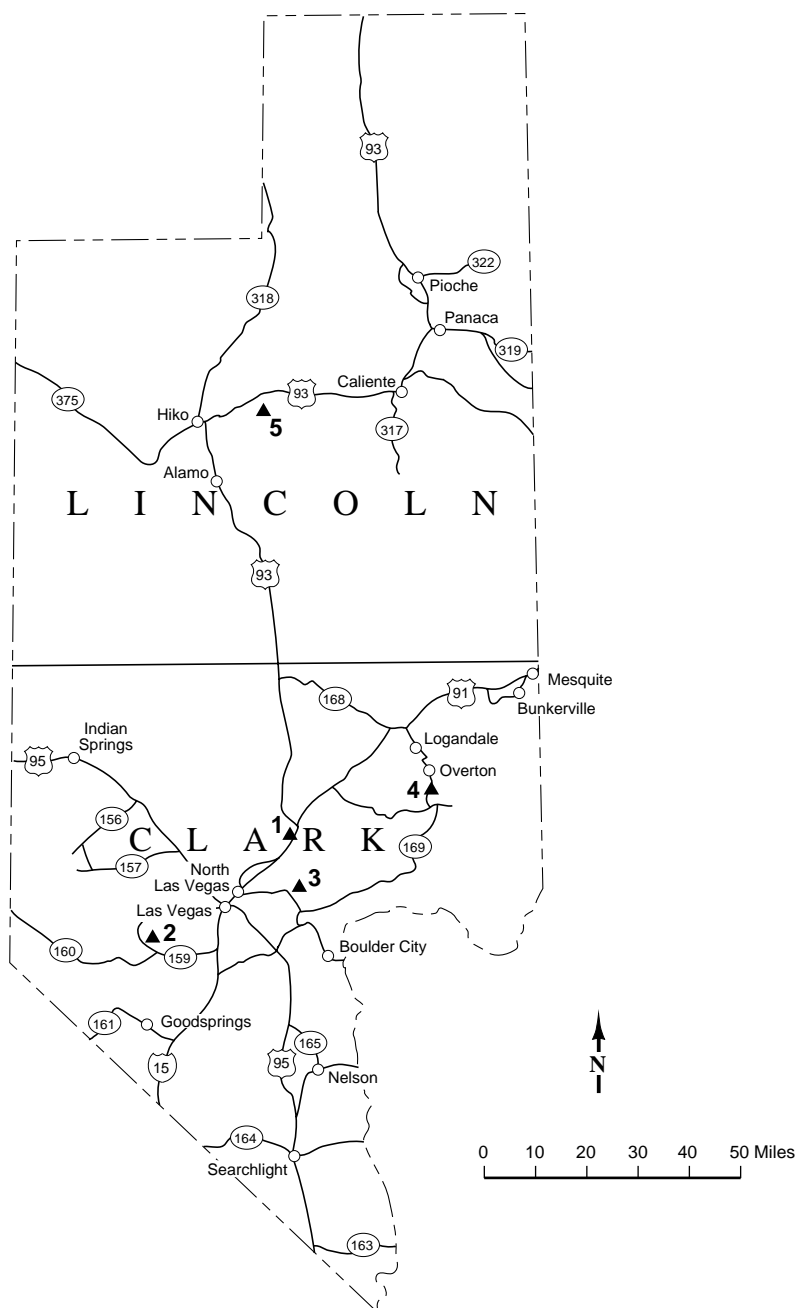
### **Operation (6)**

#### *Operator:*

Round Mountain Gold Corp.  
P.O. Box 480  
Round Mountain, NV 89045-0480  
775-377-2366 Fax: 377-3224  
Company employees: 628  
Contract employees: 27

#### *Production:*

Gold - 784,587 oz  
Silver - 761,333 oz



## Section VII

### **Clark County**

#### **Apex Quarry and Plant (1)**

*Operator:*

Chemical Lime Co.  
P.O. Box 3609  
North Las Vegas, NV 89036  
702-643-7702 Fax: 643-9517  
Company employees: 110

*Production:*

Limestone, lime

#### **BPB Gypsum, Inc. (2)**

*Operator:*

BPB Gypsum, Inc.  
HCR 89033, Box 2900  
Las Vegas, NV 89124  
702-875-4111 Fax: 875-4213  
Company employees: 106

*Production:*

Gypsum - 565,097 tons

#### **PABCO Gypsum (3)**

*Operator:*

PABCO Building  
Products, LLC  
1973 N. Nellis Blvd. #328  
Las Vegas, NV 89115  
702-643-1016 Fax: 643-6249  
Company employees: 120

*Production:*

Gypsum - 1,131,098 tons

#### **Simplot Silica Products (4)**

*Operator:*

Simplot Industries  
P.O. Box 308  
Overton, NV 89040  
702-397-2667 Fax: 397-2798  
Company employees: 43

*Production:*

Silica sand - 675,000 tons

### **Lincoln County**

#### **Tenacity Perlite Mine and Mill (5)**

*Operator:*

Wilkin Mining & Trucking, Inc.  
P.O. Box 829  
Panaca, NV 89042  
775-728-4463  
Company employees: 10

*Production:*

Perlite

## SUMMARY OF 2003 PRODUCTION

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|                   |            |          |
|-------------------|------------|----------|
| Gold              | 7,318,000  | ounces * |
| Silver            | 10,246,000 | ounces * |
| Barite (shipped)  | 465,000    | tons     |
| Copper            | 0          | pounds   |
| Diatomite         | **         |          |
| Dolomite          | **         |          |
| Gypsum            | 2,105,000  | tons     |
| Limestone         | **         |          |
| Lithium carbonate | **         |          |
| Magnesium oxide   | **         |          |
| Mercury           | no report  |          |
| Perlite           | **         |          |
| Precious opal     | **         |          |
| Salt              | 9,000      | tons     |
| Silica sand       | 675,000    | tons     |
| Specialty clay    | 33,000     | tons     |

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\*Includes production from smaller mines not listed in this report.

\*\*Proprietary information.



**Pipeline Mine (NDOM photo).**

# Economic Impacts of Mining in Nevada—2003

The Nevada mineral industry led the nation in 2003 in the production of gold, silver, and barite as it has for several years. Nevada also produced a wide variety of other mineral and energy commodities such as aggregates, diatomite, dolomite, geothermal energy, gypsum, lapidary and gem stones, lime and limestone, lithium compounds, magnesium compounds, oil, perlite, potassium sulfate, salt, silica, and specialty aggregates and clays. The total value of Nevada's mineral production in 2003 was about \$3.0 billion (not counting oil and geothermal energy). The production of precious metals accounted for about \$2.7 billion.

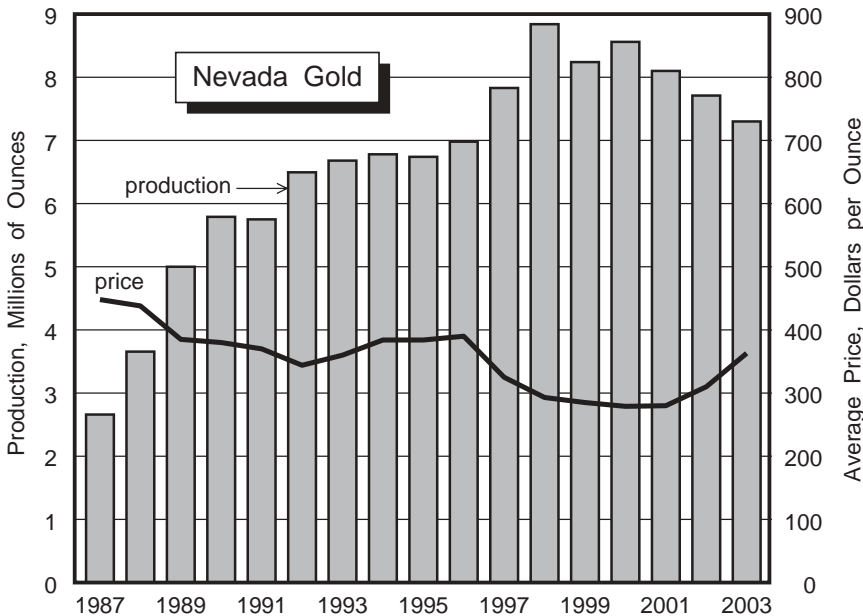
## Production Highlights

Nevada's gold production was 7,318,000 troy ounces in 2003. This is lower than the 7,732,000 ounces produced in 2002, but still enough to make Nevada the third largest producer of gold in the world behind only South Africa and Australia. Underground operations contributed about 20% of the gold

production in 2003. Silver production dropped to 10,246,000 troy ounces, compared to the 2002 production of 13,564,000 ounces. Gypsum production was 2.1 million tons, and barite production was 465,000 tons, both up from their 2002 levels.

## Employment

According to the Nevada Department of Employment, Training, and Rehabilitation, the Nevada mining industry employed an average of 8,776 employees during 2003. The average pay for mineral industry employees during this time was \$63,059 per year, the highest average of any employment sector in the state. In addition, it is estimated that there are about 44,000 jobs in the state relating to providing goods and services needed by the mining industry. Mining employment dropped for the fifth year in a row due primarily to the planned closure of some precious metal mines, as well as increased efficiency at many operations.



## Taxes and Other Impacts

The taxes paid by the mining industry to state and local government include property taxes, sales and use tax, and unique to the mining industry, net proceeds of minerals tax. Based on information from the Nevada Department of Taxation, the amount of net proceeds of minerals tax paid in 2003 was \$38.8 million, with \$20.1 million going to the counties, and \$18.7 million going to the state. Based on preliminary industry surveys, the sales and use taxes paid by the mining industry were \$40.2 million and the property taxes paid were \$18.5 million.

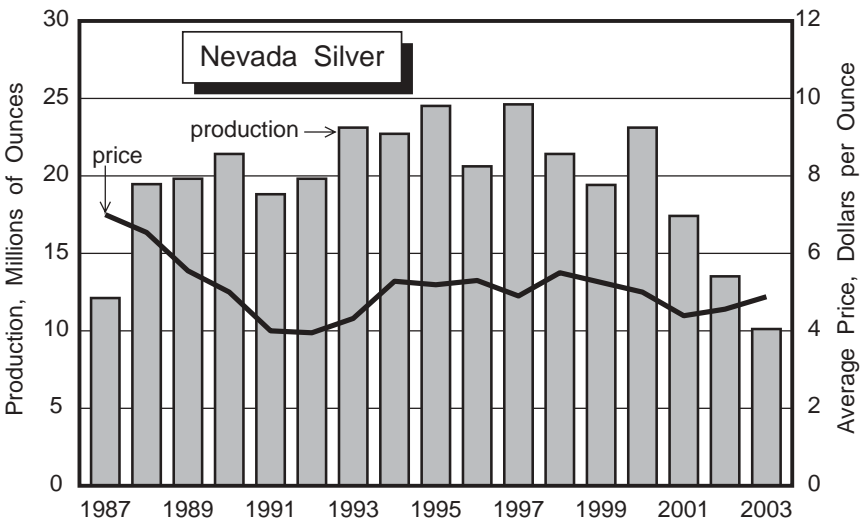
## Permitting and Reclamation

Before mining can take place, plans of operation must be submitted and permits must be obtained from federal and state agencies to ensure that other resources such as wildlife, air, and water are protected. Nevada and federal laws and regulations require that lands disturbed by mining activities must be rehabilitated so they can be used for other purposes once mining is completed. This process, called reclamation, returns mined areas to other productive uses such as livestock grazing, wildlife habitat, or new industrial

applications. To ensure that reclamation is done, mine operators are required to post reclamation bonds that are held by government agencies. The bonds are released only after the mined area is stabilized and the reclamation goals have been met. According to the Nevada Division of Environmental Protection, approximately \$560 million in reclamation bonds are currently posted. Mine operators are proud of their efforts and are constantly seeking ways to enhance their reclamation technology.

## Gold Reserves

Nevada's reported gold reserves at or near currently operating mines that can be mined at a profit under current economic conditions stood at about 66 million troy ounces at the end of 2003. The amount of reserves is always in a state of flux, due to some reserves being lost to production, additions to reserves through new discoveries, and changing economic conditions. Even though 7.3 million ounces of gold were produced in 2003, statewide reserves are up by 2 million ounces from the 64 million ounces reported for the end of 2002. The price of gold and the cost of production are the main factors in





determining whether a reserve is really a reserve or just a sub-economic resource. Extensive gold resources, not currently economic, exist at or near many operations. An increase in the gold price would mean many companies would be able to reclassify their resources back into reserve category. An increase in the cost of regulatory compliance has the same effect as a lowering of the gold price, thus increasingly complex and expensive regulations can reduce reserves. Under current conditions, the existing proven reserves are sufficient to sustain gold production at current levels for over 9 years.

### Exploration

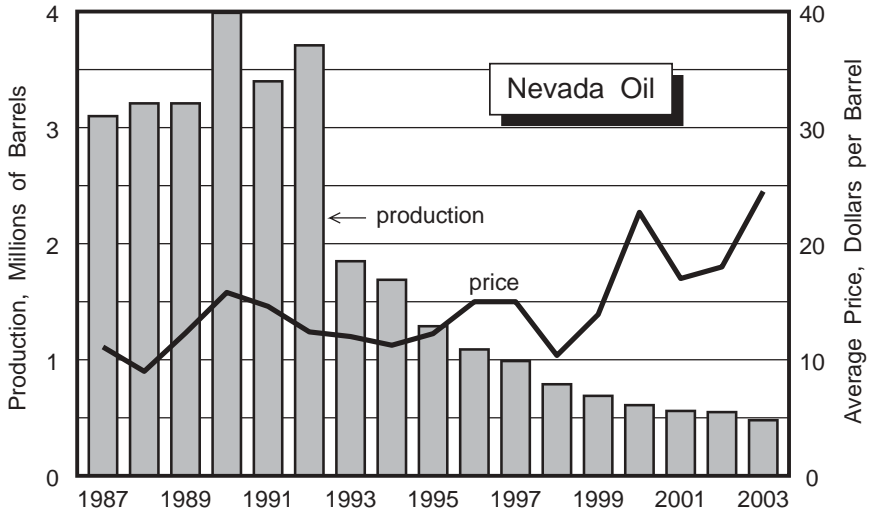
Exploration for new deposits, particularly gold, is an ongoing effort by both the producing companies and many others who do not operate mines in the state. Each year, the Division of Minerals conducts an exploration survey to determine the level of exploration activity and the factors that are responsible for those levels. The respondents to the latest survey indicated they spent \$62.9 million on exploration in Nevada in 2003 and projected spending \$89.1 million in 2004. The respondents reported having 126 geologists on the

payroll in 2003 and projected an increase to 158 in 2004. Exploration geologists and the drillers, assayers, and others who support their activities represent a significant positive economic impact, particularly in Nevada's rural areas.

### Minerals Other Than Gold and Silver

Minerals other than gold and silver are also important to Nevada's economy. Sand, gravel, and crushed stone are critical to the building requirements of the state's infrastructure and are second only to gold in terms of dollar value. Industrial minerals such as barite, diatomite, dolomite, gypsum, limestone, lithium compounds, magnesite, perlite, salt, and specialty clays are produced in this state.

Oil and gas exploration and production are relatively minor when compared to mining, but are nonetheless important to the economy of east-central Nevada. In oil field terms, Nevada is considered a frontier, meaning its potential is yet to be realized. Oil production in 2003 was about 493,330 barrels (42 gallons per barrel). According to the Nevada Department of Taxation, the actual gross proceeds for oil in 2003 were \$12.1 million, thus the average calculated value for Nevada oil was \$24.54 per barrel.



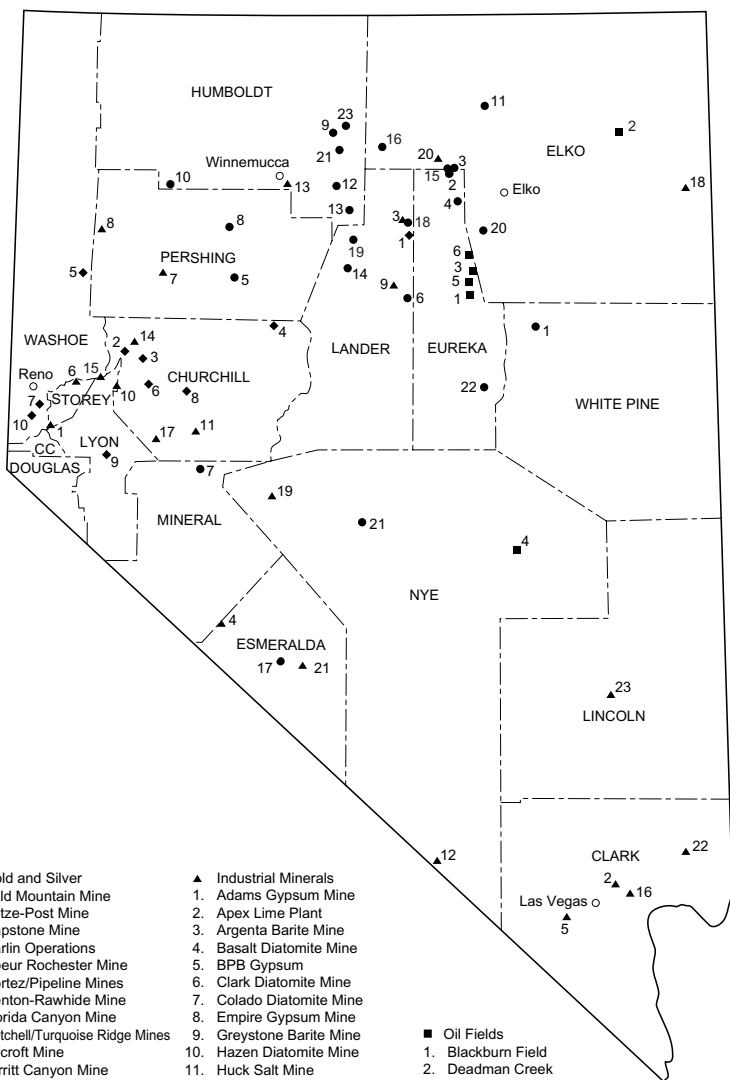
Nevada is rich in geothermal resources and is second only to California in the production of geothermal power. Currently, Nevada has 14 plants at 10 locations that sold approximately 1.2 million megawatt-hours of electricity in 2003. This is enough to power about 74,000 typical homes. Geothermal heat is also used for a variety of commercial, domestic, and public applications in Nevada. Mining and aquaculture are among the beneficiaries of geothermal heat. Schools in Elko County and homes and commercial buildings in Lincoln and Washoe Counties are examples of public and private facilities using this renewable energy source.

## Conclusion

Nevada's mineral industry continued to be a major economic force in the state in 2003. This situation should continue for many years to come. Challenges will exist, as they always have, but Nevada's mineral reserves and the potential to add to them will spur the creativity of the mineral industry. Prices of many mineral commodities have improved in recent years, allowing companies to increase their exploration and development efforts. The continued development of new projects will assure that the mining industry will remain strong in the future.



**Fossil fish. (Nevada stickleback, *Gasterosteus doryssus*) in diatomite, Hazen Pit, Churchill County, Nevada (photo by Jon Price).**



- |                                   |                                   |  |
|-----------------------------------|-----------------------------------|--|
| ● Gold and Silver                 | ▲ Industrial Minerals             | ■ Oil Fields   |
| 1. Bald Mountain Mine             | 1. Adams Gypsum Mine              | 1. Blackburn Field   |
| 2. Betze-Post Mine                | 2. Apex Lime Plant                | 2. Deadman Creek   |
| 3. Capstone Mine                  | 3. Argenta Barite Mine            | 3. North Willow Creek Field  |
| 4. Carlin Operations              | 4. Basalt Diatomite Mine          | 4. Railroad Valley (Eagle Springs, Trap Spring, Currant, Sand Dune, Grant Canyon, Bacon Flat, Kate Spring, Duckwater Creek, Sans Spring, and Ghost Ranch Fields) |
| 5. Coeur Rochester Mine           | 5. BPB Gypsum                     | 5. Three Bar Field   |
| 6. Cortez/Pipeline Mines          | 6. Clark Diatomite Mine           | 6. Tomera Ranch Field  |
| 7. Denton-Rawhide Mine            | 7. Colado Diatomite Mine          |  |
| 8. Florida Canyon Mine            | 8. Empire Gypsum Mine             |  |
| 9. Getchell/Turquoise Ridge Mines | 9. Greystone Barite Mine          |  |
| 10. Hycroft Mine                  | 10. Hazen Diatomite Mine          |  |
| 11. Jerritt Canyon Mine           | 11. Huck Salt Mine                |  |
| 12. Lone Tree Mine                | 12. IMV Nevada Clay               |  |
| 13. Marigold Mine                 | 13. MIN-AD Dolomite Mine          |  |
| 14. McCoy/Cove Mine               | 14. Moltan Diatomite Mine         |  |
| 15. Meikle Mine                   | 15. NCC Limestone Quarry          |  |
| 16. Midas Mine                    | 16. PABCO Gypsum                  |  |
| 17. Mineral Ridge Mine            | 17. Popcorn Perlite Mine          |  |
| 18. Mule Canyon Mine              | 18. Pilot Peak Limestone Quarry   |  |
| 19. Phoenix Project               | 19. Premier Magnesite Mine        |  |
| 20. Rain Mine                     | 20. Rossi Barite Mine             |  |
| 21. Round Mountain Mine           | 21. Silver Peak Lithium Carbonate |  |
| 22. Ruby Hill Mine                | 22. Simplot Silica Products       |  |
| 23. Twin Creeks Mine              | 23. Tenacity Perlite Mine         |  |
|                                   |                                   | ◆ Geothermal Power Plants  |
|                                   |                                   | 1. Beowawe   |
|                                   |                                   | 2. Bradys Hot Springs  |
|                                   |                                   | 3. Desert Peak   |
|                                   |                                   | 4. Dixie Valley  |
|                                   |                                   | 5. Empire  |
|                                   |                                   | 6. Soda Lake No. 1 and No. 2   |
|                                   |                                   | 7. Steamboat I, IA, II, and III  |
|                                   |                                   | 8. Stillwater  |
|                                   |                                   | 9. Wabuska   |
|                                   |                                   | 10. Yankee Caihthen  |

Major mines, oil fields, and geothermal plants, 2003.

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